

Bottleneck #1 Mine Background

Contents

Mine Overview	2
Mine Personnel	3
Local Community	3
Mount Olivet.....	3
Sulfur Springs	3
Corporate Office	3
Surface Facilities.....	4
Equipment.....	5
Section Equipment.....	5
1 North	5
4 Left off 2 East Mains	5
3 Left off 2 East Mains	6
Track Equipment.....	6
Map to Mt. Olivet	7
Map to Sulfur Springs.....	8
Mine Superintendent's Office	9
Emergency Medical Assistance Plan.....	10
Mine Rescue Notification Plan	11

Mine Overview

The mine is owned by the Bottle Trucking Company and produces 2,000 tons of coal per day.

Four drift entries cut into the Black Beauty coal seam.

- Seam height averages 48-50 inches, little or no pitch, maximum cover is 120 feet
- 13,000 BTU, 69% fixed carbon, 2.3% sulfur, 7% ash
- Entries and crosscuts driven on 65 to 75 foot centers, mined 20 feet wide

Day and afternoon are production shifts and midnight is a maintenance shift.

- Day - 8:00 a.m. to 4:00 p.m.
- Afternoon - 4:00 p.m. to 12:00 a.m.
- Midnight - 12:00 a.m. to 8:00 a.m.

The mine has two working sections and one spare section:

- **4 Left** off 2 East Mains (on development)
- **1 North** off 2 West Mains (on retreat)
- **3 Left** off 2 East Mains (spare to use in event of equipment breakdown)

Continuous miners are used in all sections. Coal is loaded into shuttle cars at the face and transported to section belt feeders. 42" and 48" conveyor belts transport coal from working sections to a raw coal pile at pit mouth. Coal is trucked to a prep plant at Bottleneck #2 mine.

Battery track haulage is used for supplies and personnel.

A 72 inch axial fan ventilates mine with 140,000 cfm of air. The mine utilizes exhausting ventilation with air pulled through a single intake air portal and exhausted at fan. The mine liberates approximately 1.5 million cubic feet of methane each day. Track and belt entries are ventilated on the same split of intake air that is emptied into the return near the belt tailpieces.

Electric power is purchased from Mt. Olivet Electric.

- transmitted by overhead power lines at 7200 VAC
- 1000 KVA delta-wye transformer supplies one underground power circuit
- underground high voltage circuit supplies 8 belt and 3 section power centers

Mine Personnel

56 total underground employees (25 day shift, 23 afternoon shift, 8 midnight)

9 surface employees (5 day shift, 2 afternoon shift, 2 midnight)

Corporate office support is located about four miles from the mine:

- President
- Vice President
- Mining Engineer
- Safety Director
- Electrician

Local Community

Mount Olivet

- Your home
- Population 1,900
- 5 miles away

Sulfur Springs

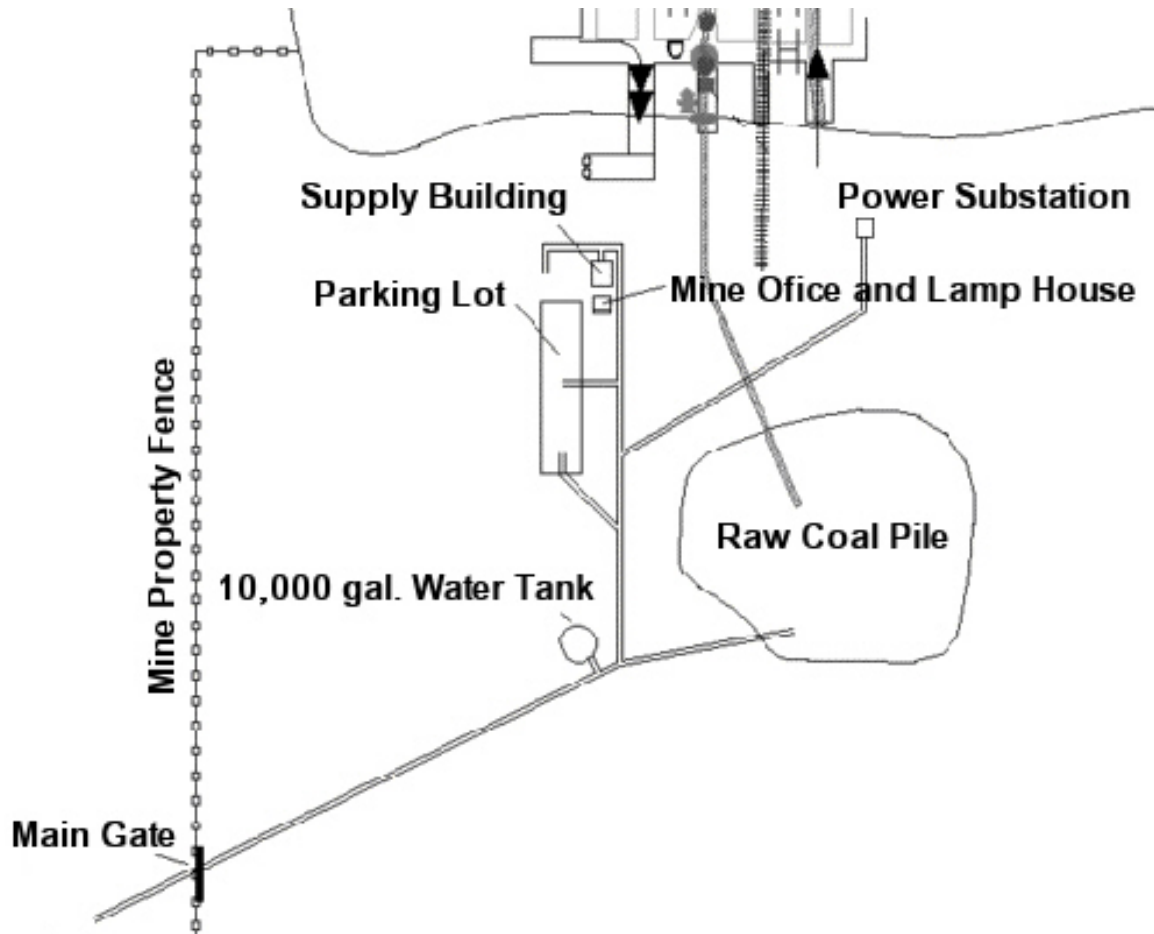
- County seat
- Population 15,000
- On highway
- 15 miles away

Corporate Office

- 4 miles away

Surface Facilities

- Mine office & lamp house (equipment battery charging station)
- Supply building
- Supply yard
- Raw coal pile
- Pond and 10,000 gallon water tank



Equipment

Section Equipment

1 North

Type	Quantity	Manufacturer	Model	Serial Number	Company Number
Continuous Miner	1	MINECO	14CM1	MCM1421809	CM 2
Shuttle Car	2	MINECO	21SC56	MSC5636992, MSC5634887	SC 1, SC 3
Roof Bolter	1	Atlas Bolter Corporation	AL36-2B	009843	RB 1
Scoop	1	MINECO	S36LF	MS3642191	SCP 2

4 Left off 2 East Mains

Type	Quantity	Manufacturer	Model	Serial Number	Company Number
Continuous Miner	1	MINECO	14CM1	MCM1419359	CM 3
Shuttle Car	2	MINECO	21SC56	MSC5634886, MSC5634606	SC 2, SC 4
Roof Bolter	1	Atlas Bolter Corporation	AL36-2B	009848	RB 2
Scoop	1	MINECO	S36LF	MS363987	SCP 1

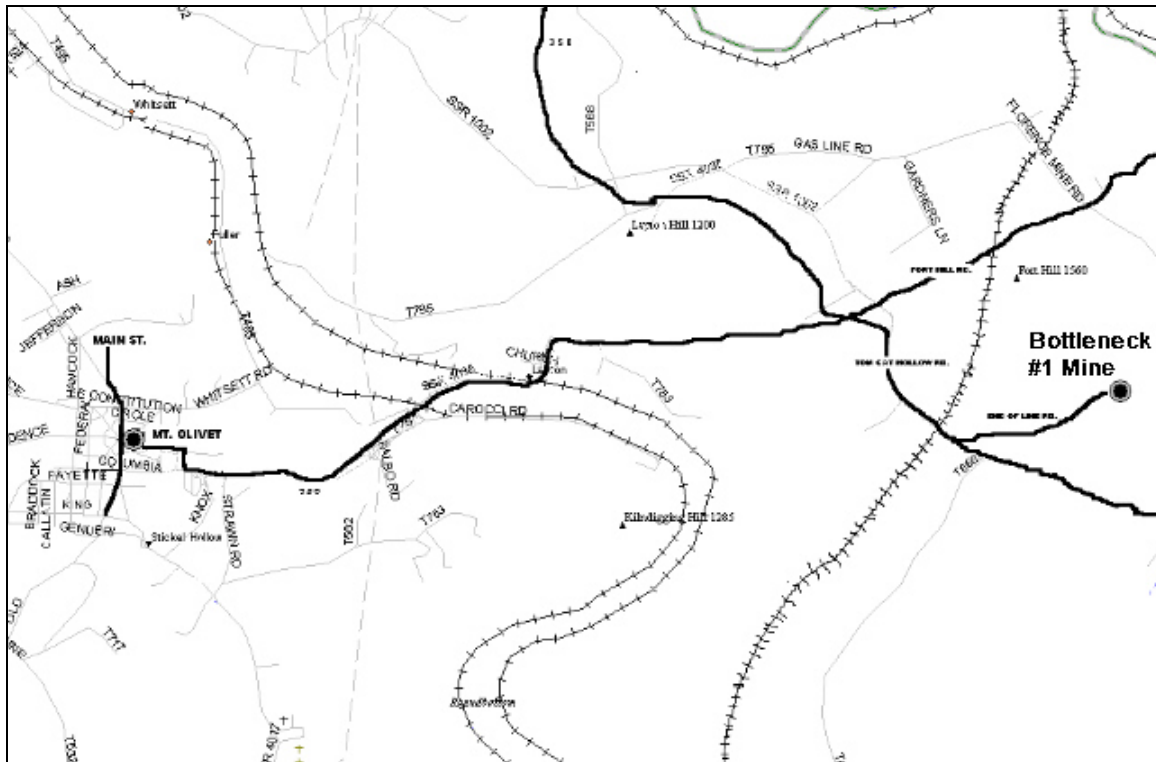
3 Left off 2 East Mains

Type	Quantity	Manufacturer	Model	Serial Number	Company Number
Continuous Miner	1	MINECO	14CM1	MCM1406418	CM 1
Shuttle Car	2	MINECO	21SC56	MSC5634983, MSC5635236	SC 5, SC 6
Roof Bolter	1	Atlas Bolter Corporation	AL36-2B	008623	RB 3
Scoop	1	MINECO	S36LF	MS363307	SCP 3

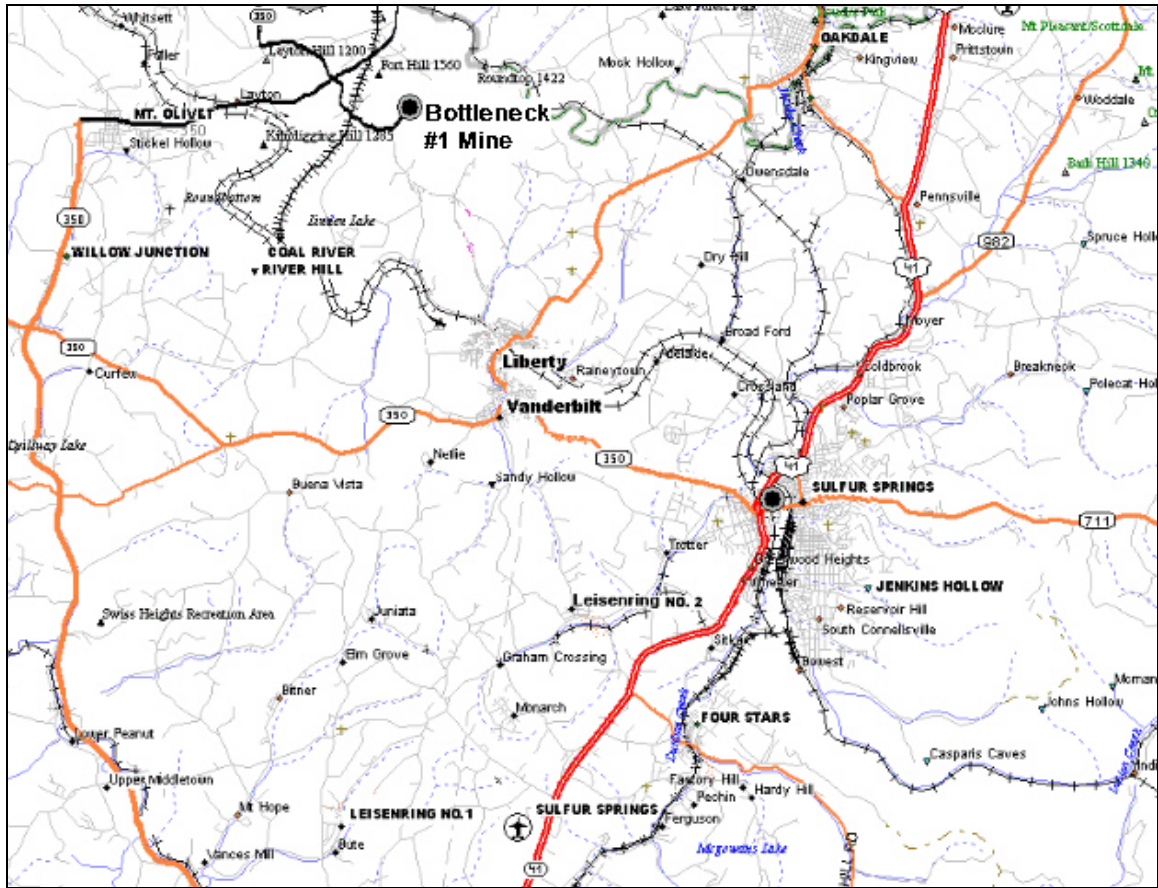
Track Equipment

Type	Quantity	Manufacturer	Model	Serial Number	Company Number
Mantrip	2	Railboss	M12PB	06433, 06435	1, 2
Locomotive (10 ton)	1	Current Corporation	BT10L	10T11932-71	4
Locomotive (3 ton tub)	2	Railboss	L03B	02547, 04098	3, 5

Map to Mt. Olivet



Map to Sulfur Springs



Mine Superintendent's Office

Your office is designated as the emergency command center. You have available to you:

- One outside phone
- A mine phone
- Coworkers to do tasks
- A mine map
- Roof control plan
- Ventilation plan
- Mine emergency response plan
- Personnel roster
- Fan charts
- Recent shift reports
- Tag in/out board
- Surface supply inventory
- Your superintendent's Notebook



Emergency Medical Assistance Plan

1. In the event any employee is injured and requires medical assistance or transportation, the Emergency Medical Assistance Plan will be activated and appropriate assistance requested.
2. The caller requesting emergency medical services will provide his or her name and title, the location of the incident, the type of incident, and details of the event, nature of the employee's injuries (if known), and response efforts currently being undertaken.
3. Emergency contact numbers:

Primary

Carbon County "911" Center
Emergency Phone: **911**
Contact: Erin O'Dell, Manager – **101-555-0460**

Secondary

Mt. Olivet Area EMS
Emergency Phone: **101-555-0389**
Contact: Jim Richards, Chief – **101-555-1015**

Unity EMS of Carbon County
Emergency Phone: **101-555-4828**
Contact: Buck Odenthal, Manager – **101-555-4829**

Hospitals/Physicians:

Mt. Olivet Primary Care
Emergency Phone: **101-555-0202**
Contact: Robert Jett, MD, Manager - **101-555-0203**

Sulfur Springs General Hospital
Emergency Phone: **101-555-8502**
Contact: Harold Brady, MD, Chief of Staff - **101-555-8503**

This plan was revised July 2000 and supersedes all previous emergency medical assistance notification plans.

Mine Rescue Notification Plan

1. In the event of a mine fire, explosion, inundation, or other emergency that requires mine rescue team services, the safety director or his designee will notify mine rescue teams of the event and request them to respond.
2. The caller requesting mine rescue services will provide his or her name and title, the location of the incident, the type of incident, and details of the event including missing/trapped miners and response efforts currently being undertaken.
3. A minimum of three (3) teams will be notified immediately.
4. The teams will be called in the order prescribed below:

Pine Fork Mine #3 Rescue Team
Emergency Phone: **101-555-5750**
Contact: Andrew Borneaux, Mine Superintendent – **101-555-5751**

Blue Creek Mine Rescue
Emergency Phone: **101-555-0056**
Contact: Alan Jackson, Mine Superintendent – **101-555-0057**

State Mine Rescue Team
Emergency Phone: **101-555-9989**
Contact: Bob Fisher, Team Captain – **101-555-9988**

This plan was revised and modified July 2000 and supersedes all previous mine rescue notification plans.